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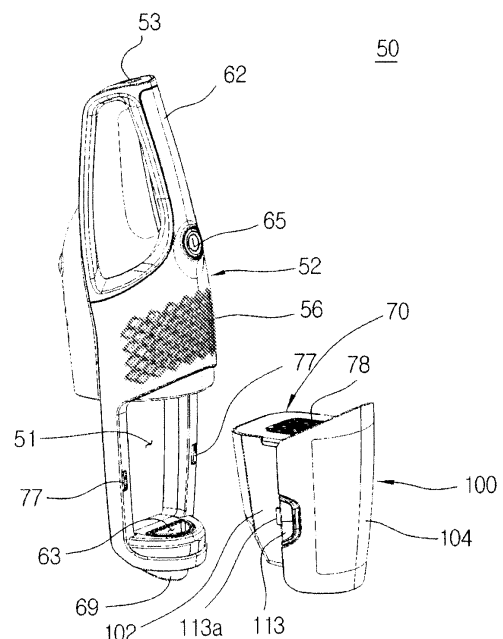
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(54) **Cyclone dust collecting apparatus and hand-held cleaner having the same**

(57) The hand-held cleaner includes a body, and a cyclone dust collecting apparatus detachably mounted in the body. The cyclone dust collecting apparatus includes a pre-motor filter unit having a filter grill and a filter member, a dust collecting bin having one end to which the pre-motor filter unit is coupled and the other end opposite to the one end in which a cyclone inlet is formed, and a cyclone bin disposed in the dust collecting bin and having a spiral flow path-guide member integrally formed therein. A moving path of air drawn into the cyclone inlet is maintained in the same direction until the air is discharged through the pre-motor filter unit via the cyclone bin.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 11 16 7786

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 May 2013	Examiner Hubrich, Klaus
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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